**AVID - BlackMagic Pocket Cinema Camera Setup**

**BlackMagic Pocket Cinema Camera Manual**

Step One is to format the SSD cards you are going to use in the camera. You can't format them in the camera.

All the Imacs in the labs CMB 1 and Grad Hall have SSD Card Slots

**Preparing SD Cards for Recording**

SD cards used by Blackmagic Pocket Cinema Camera must be formatted as HFS+ or exFAT. These disk formats allow long clips to be recorded as single files. ExFAT is supported by both Windows and Mac OS X computers.

**Preparing SD Cards on a Mac OS X computer**

Use the Disk Utility application included with Mac OS X to format your SD card in the HFS+ or exFAT format. Remember to back up anything important from your SD card as all data will be lost when it is formatted.

- **Step 1.** Plug your SD card into your computer’s SD card slot or SD card reader.
- **Step 2.** Go to Applications/Utilities and launch Disk Utility.
- **Step 3.** Click on the disk icon of your SD card and then click the Erase tab.
- **Step 4.** Set the Format to “Mac OS Extended (Journaled)” or “exFAT”.
- **Step 5.** Type a Name for the new volume and then click Erase. Your SD card will quickly be formatted and made ready for use.

Or you can use one like this USB example connected to a mac via USB

Or a laptop
Blackmagic Pocket Cinema Camera

LANC Remote Control
The remote port on your camera is used to remotely control record starting and stopping, iris adjustments and manual focus adjustments when using a compatible lens. The port is a 2.5 mm stereo jack using the standard LANC protocol.

Headphones
Monitor audio while recording or playing back clips by plugging your headphones into the 3.5 mm stereo headphones jack.

Audio In
The 3.5 mm stereo audio connector accepts microphone or line level audio. It’s important to select the appropriate setting or your audio may sound too quiet or too loud. The camera automatically switches to line level if the audio is too loud for a sustained period.

HDMI Out
The micro HDMI port outputs 10-bit uncompressed HD1080p video, even while recording. It can be used to output video to routers, monitors, capture devices, broadcast switches and other HDMI devices.

Power
Use the 0.7 mm 12 – 20V power input for connecting your power supply and to charge the battery.

USB
Use the USB port to connect your Blackmagic Pocket Cinema Camera to your computer and update the internal software. The USB port can be found inside the battery compartment.

To configure settings on the camera press "Menu"

Choose to set the Camera Settings

Set the Date and Time

Setting Date and Time
To set date and time on your Pocket Cinema Camera, select the + or - buttons to change the year, month and day settings.
Choose the following camera settings
Optimum ISO = 800 ASA
Low Light ISO = 1600 ASA
Bright Light ISO = 400 ASA

Your Blackmagic Camera includes 6 white balance presets for a variety of color temperature conditions. These are: 3200K for tungsten 4500K for fluorescent light 5000K, 5600K, 6500K and 7500K for a variety of daylight.

Recorder Settings
For 881KB projects use the following:
Recording Format: ProRes
Dynamic Range – Film (if you want to record more dynamic range “log”) or Video (if you want to record 709 the common color space for video software)
Frame Rate – 23.98
Time Lapse – Off – Unless you want to record slo or fast motion
2=high speed 10= slomotion
Post – Production WF

Working with Files from SD Cards

You can access your ProRes or CinemaDNG files straight from your SD card with any Mac OS X or Windows computer that features an SD card slot or by using an SD card reader.

Step 1. Remove the SD card from your Pocket Cinema Camera and insert it into the SD card slot of your computer, or SD card reader. The SD card can be accessed the same way as you would an external hard drive, USB drive or any other media storage device attached to your computer.

Step 2. Double click on the SD card to open it and you should see a list of QuickTime movie files or folders which contain your CinemaDNG RAW image files. Depending on the format you chose to record in, you might have a mixture of files and folders, but they will all use the same naming convention.

Step 3. Now you can simply drag the files you want from the SD card onto your desktop or another hard drive, or you can access the files straight from the SD card using your NLE software.

Step 4. Before you physically remove the SD card from the SD card slot, it’s always a good idea to eject the SD card safely using either Mac OS X or Windows first.

We recommend Making folders on your hard drive and copying the data straight off the SDHC cards

The files will be Apple ProRes HQ 23.98 files that look like this example

Next use the AVID ProRes project setup workflow in this wiki doc

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